



Tech Info Library

Parallel Interface Card: 3rd Party Printers (11/96)

Revised: 11/21/96
Security: Everyone

Parallel Interface Card: 3rd Party Printers (11/96)

=====
Article Created: 06 February 86
Article Reviewed/Updated: 19 November 1996

TOPIC -----

This article discusses connecting the Parallel Interface card to different 3rd party printers.

DISCUSSION -----

Epson FX 80
=====

General Settings

Parallel Interface
8 Data Bits
Linefeeds required

Epson DIP switches

Switch Bank 1

- 1 OFF
- 2 OFF (see notes)
- 3 OFF (see notes)
- 4 OFF
- 5 OFF (see notes)
- 6 ON
- 7 ON
- 8 ON

Switch bank 2

- 1 ON
- 2 ON
- 3 OFF
- 4 OFF (see notes)

Bank 1

Switch 2 is set for open zero character; for slashed zero, turn switch 2 on.
Switch 3 is set for continuous paper; for cut sheet, turn switch 3 on.
Switch 5 is set for normal density printing at power on; for emphasized printing, turn switch 5 on.

Bank 2

Switch 4 is set for computer generated carriage return linefeed; for carriage return only, turn switch 4 on.

Parallel Interface

All switches on the Apple interface card need to be set to factory default settings.

Cable Pinouts

Apple II Parallel	Epson
CABLE SHIELD	---- 1
5	----- 14
6	----- 13
8	----- 12
11	----- 9
12	----- 15
13	----- 16
22	----- 11
23	----- 10
15	----- 3
16	----- 22
4	----- 7
7	----- REMOVE PIN

Centronics 702 or 703

=====

The Centronics printer interface was originally designed to be used with the Centronics microP-1 printer. That printer required a control character to set it into 80-column mode. The firmware on the Centronics printer interface, PROM P9-00, sends a \$1D when ever it receives the <CTRL-I>80N command. This control character is part of a VFU command on a Centronics 702 or 703 and usually deselects the printer. The fix is to send a re-select code, but since the deselected printer doesn't return the Apple's handshake, the reselect will have to be POKED to the interface, as follows:

```
100 FOR J = 1 TO 5
110 POKE -16256 + 16 * SL, 17
120 NEXT
```

Comrex CR-1 P

=====

Card

COMREX CR-1 P

5----- DB0-----2
6----- DB1-----3
8----- DB2-----4
11-----DB5-----7
12-----DB6-----8
13-----DB7-----9
15-----STB-----1
16-----ACK-----10
22-----DB3-----5
23-----DB4-----6
24-----SG----- 16

Dip Switch settings

For Parallel card: All down except 4,5

For Comrex: all down except 8

Article Change History:

19 Nov 1996 - Reviewed for technical accuracy, revised formatting.

Copyright 1986-96, Apple Computer, Inc.

Tech Info Library Article Number:1720